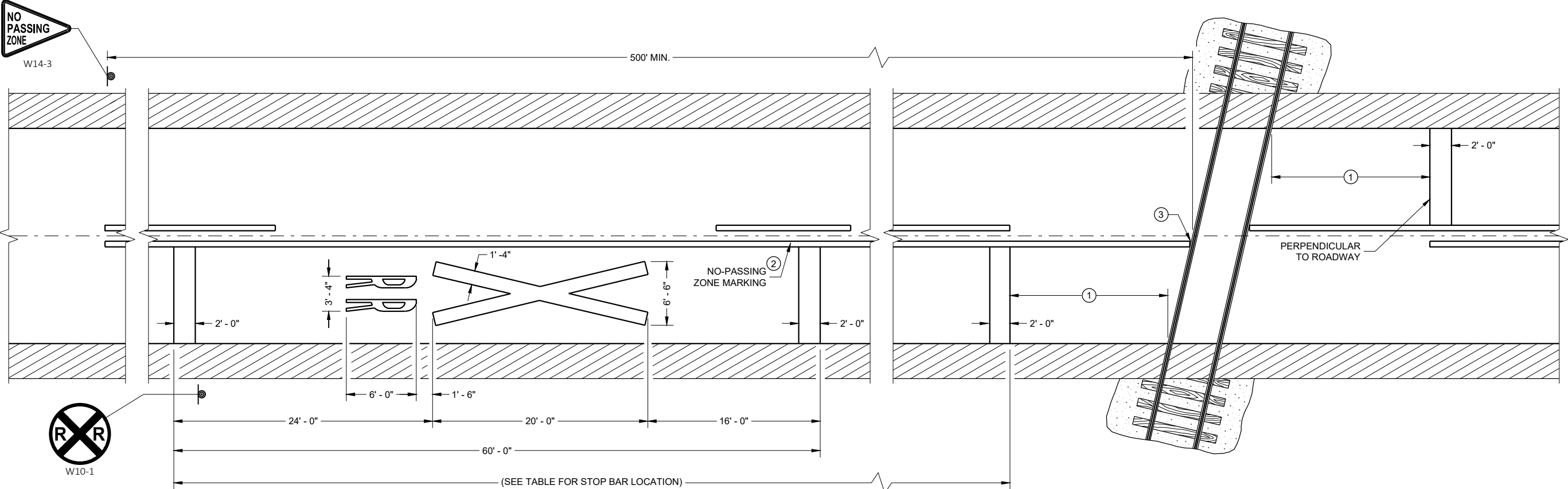




# SDD 15C09-a Signing and Pavement Marking Details for Railroad - Highway Grade Crossings



## PAVEMENT MARKING

### LEGEND

● SIGN ON PERMANENT SUPPORT

### GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

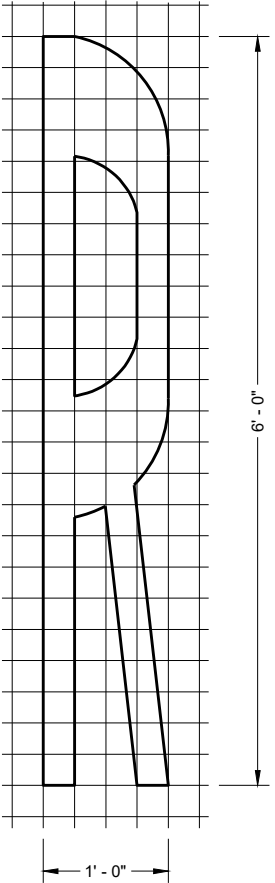
- ① MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

### DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

\* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



### SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2021 /S/ Matthew R. Rauch  
DATE STATE SIGNING AND MARKING  
ENGINEER  
FHWA

*Signing and Pavement Marking Details for Railroad - Highway Grade Crossings***Reference:**

Traffic Engineering, Operations and Safety Manual Chapter 3 ([TEOpS Chapter 3](#))  
Manual on Uniform Traffic Control Devices Part 8B

**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
646.5305	Marking Railroad Crossing Paint .....	EACH
646.5320	Marking Railroad Crossing Epoxy.....	EACH

**Standard Special Provisions associated with this drawing:**

<u>STSP NUMBER</u>	<u>TITLE</u>
NONE	

**Other SDDs associated with this drawing:**

[SDD 15C8](#) (a,b)      Pavement Marking (Mainline and Turn Lanes)

**Design Notes:**

Refer to Part 8 of the Wisconsin Manual on Uniform Traffic Control Devices to determine when railroad crossings require markings. Preferred option is intended for all new construction, including overlay projects. The alternative option is for remarking operations unless directed otherwise.

**Contact Person:**

Jeannie Silver (608) 246-5408  
Ryan Mayer (608) 246-3810



# SDD 15C09-b Truck Stopping Lane Pavement Markings

## LEGEND

SIGN ON PERMANENT SUPPORT

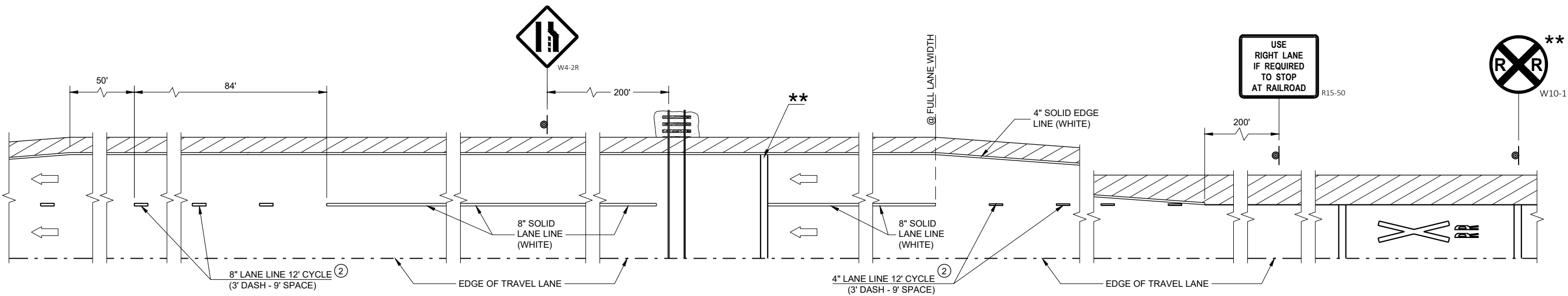
DIRECTION OF TRAFFIC

## GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

- ① INSTALLED FOR EXPRESSWAYS
- ② 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

**\*\*** SEE SDD 15C09-a, "SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSING" FOR LOCATION OF ADVANCE MARKINGS.



DETAIL FOR TRUCK STOPPING LANE PAVEMENT MARKINGS

## TRUCK STOPPING LANE PAVEMENT MARKINGS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021

DATE

FHWA

/S/ Matthew R. Rauch  
STATE SIGNING AND MARKING  
ENGINEER

**Railroad Truck Stopping Lane Pavement Markings****Reference:**

Traffic Engineering Operations and Safety Manual Chapter 3 ([TEOpS Chapter 3](#))  
Manual on Uniform Traffic Control Devices Part 3B

**Bid items associated with this drawing:**

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
<i>Bid items associated with this drawing in addition to those shown on sheet a:</i>		
646.3005	Marking Line Paint 8-Inch.....	LF
646.3020	Marking Line Epoxy 8-Inch.....	LF
646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch .....	LF
646.3050	Marking Line Grooved Permanent Tape 8-Inch .....	LF
646.3545	Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch .....	LF
646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch .....	LF

**Standard Special Provisions associated with this drawing:**

<u>STSP NUMBER</u>	<u>TITLE</u>
NONE	

**Other SDDs associated with this drawing:**

[SDD 15C8](#) Pavement Marking sheet "a" (mainline) is required.

**Design Notes:**

Refer to Sheet "a".

**Contact Person:**

Jeannie Silver (608) 246-5408  
Ryan Mayer (608) 246-3810